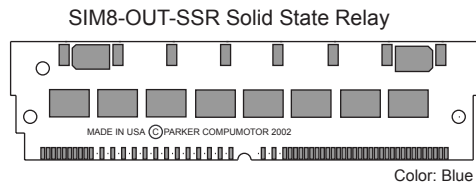


SIM8-OUT-SSR



The SIM8-OUT-SSR board provides eight solid state outputs for the EVM32 expansion I/O module.

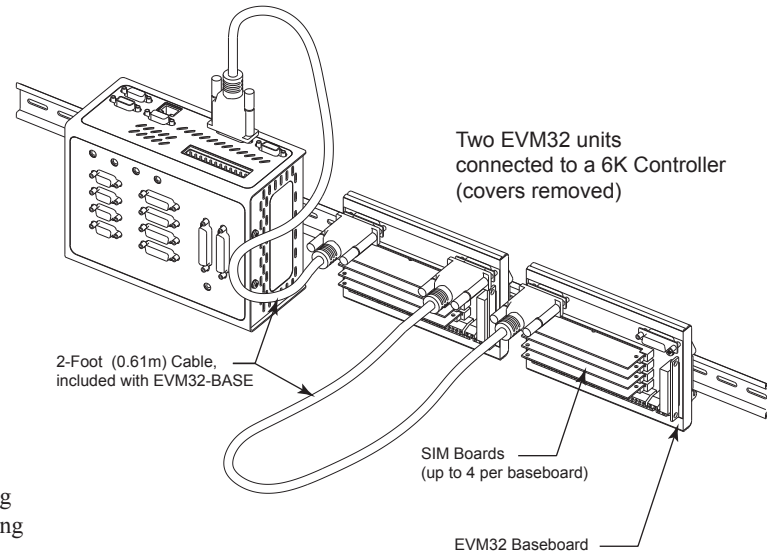
NOTE: This SIM requires 6K operating system version 5.1 or greater (downloadable from the www.compumotor.com web site).

Additional EVM32 parts, ordered separately, include:

- ·EVM32-II□ EVM32 baseboard, includes 2-foot cable
- ·SIM8-IN-EVM32□ Digital input SIM board (8 inputs)
- ·SIM8-OUT-NPN□ Digital output SIM board (8 outputs), sinking
- ·SIM8-OUT-PNP□ Digital output SIM board (8 outputs), sourcing
- ·SIM8-OUT-HCR□ High Current Relay SIM board (8 outputs)
- ·SIM8-AN-IN□ Analog (+/- 10V) input SIM board (8 inputs)
- ·SIM8-AN-OUT□ Analog (+/- 10V) output SIM board (8 outputs)
- ·71-016949-02□ 2-foot (0.61m) cable, included with EVM32-BASE
- ·71-016949-100□ 100-foot (30.48m) cable for connection to 6K or other EVM32 units

For installation instructions, and programming information, refer to the 6K Addendum (88-017657-01). See reverse for instructions to insert SIM boards into the EVM32 baseboard.

EVM32



SIM8-OUT-SSR

Specifications

Voltage Rating	Maximum of 130V AC/DC
Current Rating	Maximum of 100 ma
Operate (On) time – Typical	0.1 ms at 50 ma Load, 100V
Release time – Typical	0.11 ms at 50 ma Load, 100V
On-State Resistance	24 Ohms (pulsed), 50 ma Load
Off-State Resistance	10 ¹⁰ Ohms
Capacitance – Typical	6 pF at 50V
Status	Check with the TIO command. □ LED is on when the relay is energized
Technology	Power MOSFET Photovoltaic Relay □ Single-Pole, Normally Open □ Bounce-Free Operation

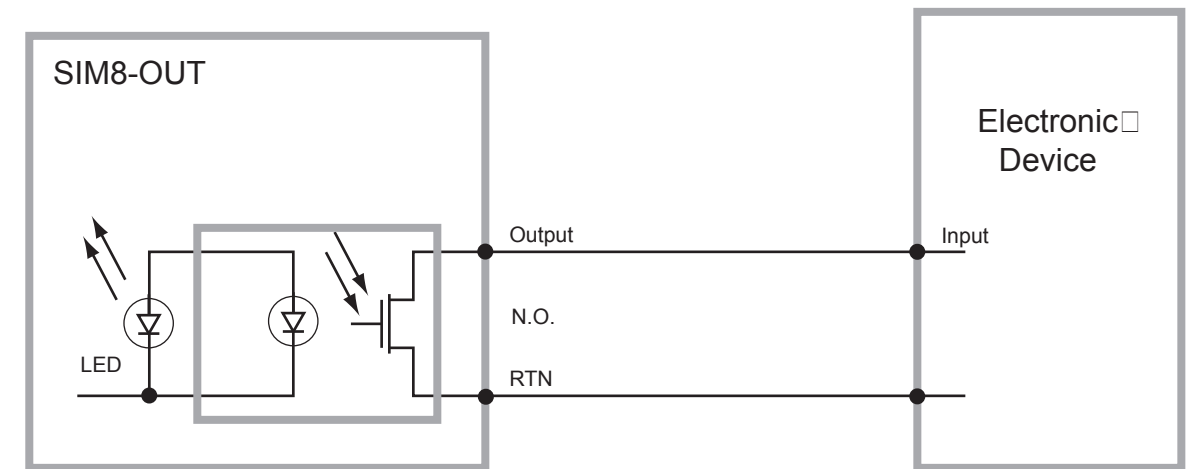
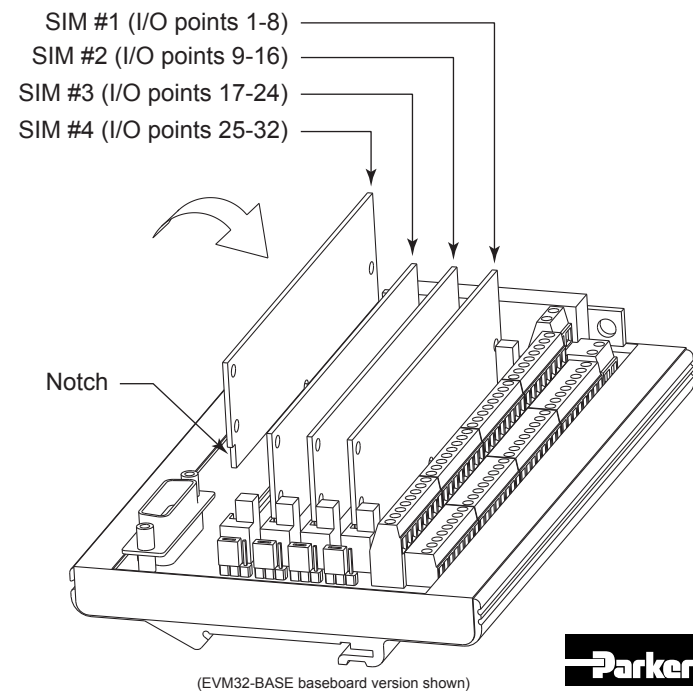
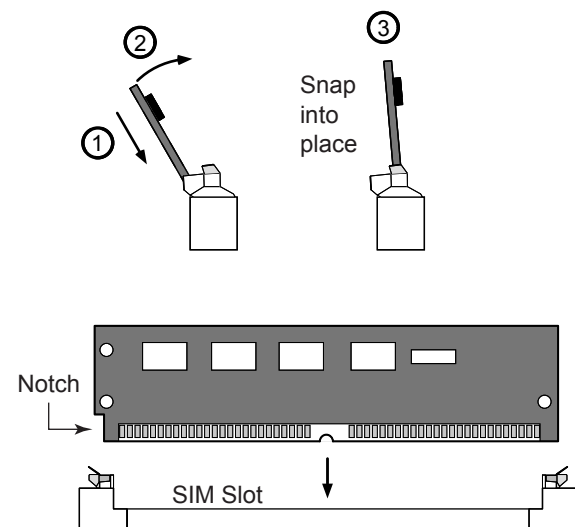
CAUTION
EVM32 SIM boards are static sensitive. Observe proper ESD handling precautions. **REMOVE POWER** to the EVM32 baseboard before installing or removing SIM boards.

SIM Board Color Codes:

SIM8-IN-EVM32 (digital inputs) □	Red
SIM8-OUT-NPN (digital outputs, sinking) □	Blue
SIM8-OUT-PNP (digital outputs, sourcing) □	Blue
SIM8-OUT-SSR (solid state outputs) □	Blue
SIM8-OUT-HCR (solid state outputs) □	Blue
SIM8-AN-IN (analog inputs) □	Green
SIM8-AN-OUT (analog outputs) □	Black

CAUTION
EVM32 SIM boards are static sensitive. Observe proper ESD handling precautions. **REMOVE POWER** to the EVM32 baseboard before installing or removing SIM boards.

SIM Board Insertion (observe notch orientation)



(Use the RTN pin for the corresponding output pin.)